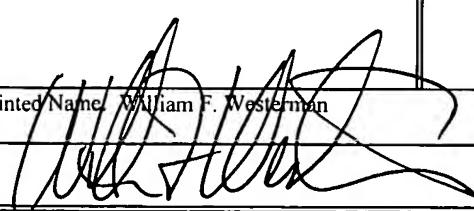


U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE		DATE: December 27, 2004
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. Application No. (if known): 10/519254
INTERNATIONAL APPLICATION NO.: PCT/JP03/12652	INTERNATIONAL FILING DATE: October 2, 2003	PRIORITY DATE CLAIMED: October 4, 2002
TITLE OF INVENTION: SCREW PUMP AND METHOD OF OPERATING THE SAME		
APPLICANT(S) FOR DO/EO/US: Nobuhito MIYASHITA and Kozo MATAKE		
Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 USC 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)): a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
ITEMS 11. TO 20. BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 together with the international search report, PTO-1449 and 8 references.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. ASSIGNEES NAMES AND ADDRESSES: (1) EBARA DENSAN LTD., Tokyo, Japan; and (2) EBARA CORPORATION, Tokyo, Japan Please publish the assignee data with the application.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input type="checkbox"/> Other items or information:</p>		

U.S. APPLICATION NO. (if known) 10/519254		INTERNATIONAL APPLICATION NO. PCT/JP03/12652	DATE: December 27, 2004																																																																		
21. <input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS	PTO USE ONLY																																																																		
Basic National Stage Fee		\$ 300.00																																																																			
National Stage Search Fee		\$ 500.00																																																																			
National Stage Examination Fee		\$ 200.00																																																																			
ENTER APPROPRIATE BASIC FEE AMOUNT =		\$ 1,000.00																																																																			
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).																																																																					
<table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> <th></th> </tr> </thead> <tbody> <tr> <td>TOTAL</td> <td>17 -20 =</td> <td></td> <td>X \$ 50.00</td> <td></td> </tr> <tr> <td>INDEPENDENT</td> <td>2 - 3 =</td> <td></td> <td>X \$ 200.00</td> <td></td> </tr> <tr> <td colspan="3">Multiple dependent claims(s) (if applicable)</td> <td>+ \$360.00</td> <td>\$ 360.00</td> </tr> <tr> <td colspan="3">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$ 1,360.00</td> <td></td> </tr> <tr> <td colspan="5">National Stage Application Size Fee-for each additional 50 sheets that exceeds 100 sheets \$ 250.00.</td> </tr> <tr> <td colspan="5">Reduction by 1/2 for filing by small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).</td> </tr> <tr> <td colspan="3">SUBTOTAL =</td> <td>\$ 1,360.00</td> <td></td> </tr> <tr> <td colspan="5">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +</td> </tr> <tr> <td colspan="3">TOTAL NATIONAL FEE =</td> <td>\$ 1,360.00</td> <td></td> </tr> <tr> <td colspan="3">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +</td> <td>\$ 40.00</td> <td></td> </tr> <tr> <td colspan="3">TOTAL FEES ENCLOSED =</td> <td>\$ 1,400.00</td> <td></td> </tr> <tr> <td colspan="3"></td> <td>Amount to be: refunded charged</td> <td>\$</td> </tr> </tbody> </table>					CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		TOTAL	17 -20 =		X \$ 50.00		INDEPENDENT	2 - 3 =		X \$ 200.00		Multiple dependent claims(s) (if applicable)			+ \$360.00	\$ 360.00	TOTAL OF ABOVE CALCULATIONS =			\$ 1,360.00		National Stage Application Size Fee-for each additional 50 sheets that exceeds 100 sheets \$ 250.00.					Reduction by 1/2 for filing by small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).					SUBTOTAL =			\$ 1,360.00		Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +					TOTAL NATIONAL FEE =			\$ 1,360.00		Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +			\$ 40.00		TOTAL FEES ENCLOSED =			\$ 1,400.00					Amount to be: refunded charged	\$
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																																																																		
TOTAL	17 -20 =		X \$ 50.00																																																																		
INDEPENDENT	2 - 3 =		X \$ 200.00																																																																		
Multiple dependent claims(s) (if applicable)			+ \$360.00	\$ 360.00																																																																	
TOTAL OF ABOVE CALCULATIONS =			\$ 1,360.00																																																																		
National Stage Application Size Fee-for each additional 50 sheets that exceeds 100 sheets \$ 250.00.																																																																					
Reduction by 1/2 for filing by small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).																																																																					
SUBTOTAL =			\$ 1,360.00																																																																		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +																																																																					
TOTAL NATIONAL FEE =			\$ 1,360.00																																																																		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +			\$ 40.00																																																																		
TOTAL FEES ENCLOSED =			\$ 1,400.00																																																																		
			Amount to be: refunded charged	\$																																																																	
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ to cover the above fees is enclosed. (\$300.00 for basic national stage fee; \$500.00 for national stage search fee; \$200.00 for national stage examination fee; \$360.00 for multiple dependent claims and \$40.00 for the assignment recordation fee).</p> <p>b. Please charge my Deposit Account No. 50-2866 in the amount of \$ to cover the above fees. (A duplicate copy of this sheet is enclosed.)</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2866.</p>																																																																					
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.</p>																																																																					
Send All Correspondence To:		WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP 1250 Connecticut Avenue, N.W. Suite 700 Washington, D.C. 20036 CUSTOMER No. 38834																																																																			
Typed or Printed Name: William F. Westerman		Reg. No.: 29,988																																																																			
Signature 		Date: December 27, 2004																																																																			

WFW/yap